

## Abstract

### ENSURING THE INTEGRITY OF AN ELECTRONIC DOCUMENT

Two digital signatures are generated associated with an electronic document. One digital signature ("content signature") may be based on a user input contained in the document and another digital signature ("document signature") may be based on a stream of data representing the document. The document is sent along with the two signatures to a receiver system. The receiver system can verify the integrity of the document (and thus the user input) based on one or both of the signatures. Optionally, multiple content signatures may be used with each content signature being generated based on a portion of a document. In addition, each document may contain a control section which includes rules specifying permitted/prohibited actions against each portion.

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